OD- 034367 /90

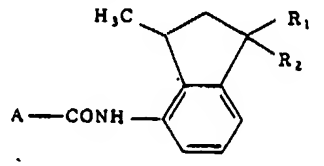
90-034367/05 C02 MITU 13.06.88
MITSUBISHI KASEI CORP *J0 1313-402-A
13.06.88-JP-145032 (18.12.89) A01n-43/10 C07d-231/14 C07d-233/38

Preventing agent for Botrytis cinerea - includes N-indanyl-carboxamide derivs. pref. applied as emulsion

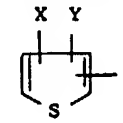
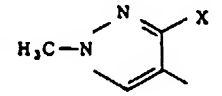
C90-015156

C(7-B1, 7-D10, 10-A98, 10-A22, 10-H1, 12-A2C, 12-M3, 12-M9) 7 C0079

Agent for preventing Botrytis cinerea infections contains N-indanylcarboxamide derivs. of formula (I):



(I)

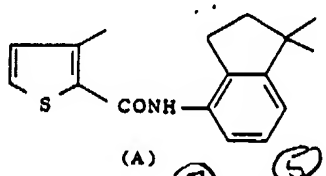
A =  or  ;

X = halogen, methyl or trifluoromethyl;
Y = H, methyl or halogen;
R_1 and R_2 = H or lower alkyl.

USE/ADVANTAGE

(I) are effective against Botrytis cinerea having resistance to benzimidazole, thiophanate and cyclic imide-type fungicides.

200 ppm of (I) is 100% preventively effective against Botrytis cinerea, as opposed to 0% effective when using 200 ppm of cpd. (A):



(A)

APPLICATION

(I) are pref. applied as emulsion or wettable powder by mixing with solvent (e.g. H_2O, methanol, acetone), filling agent (e.g. kaolin, talc, CMC), surfactant (e.g. polyoxyethylene alkyl allyl ether, alkyldimethylbenzyl-ammonium chloride), etc. The compsn. is diluted with water to (I) concn. of 10 - 1000 ppm.

An emulsion is comprised of 10 - 50 pts. wt. of (I), 10 - 80 pts. wt. of a solvent and 3 - 20 pts. wt. of a surfactant. A wettable powder is comprised of 5 - 80 pts. wt. of (I), 10 - 90 pts. wt. of a filling agent and 1 - 20 pts. wt. of a surfactant.

Application rate of the diluted emulsion (or hydrate) is 10 - 500 l/10 a.

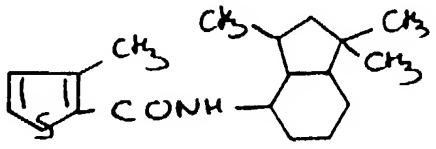
EXAMPLE

A wettable powder was obtd. by pulverising and mixing (I; A = 3-methyl-2-thienyl; R_1, R_2 = Me) (20 pts. wt.), diatomite (75 pts. wt.) and surfactant contg. alkylbenzenesulphonic acid (5 pts. wt.). (9ppW179DAHDwgNo0/0).

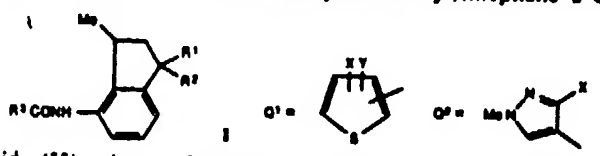
(I): 8EG, 9GI, 10G, 1Kφ, 1FZ, 18Z

J01313402-A

113: 19446x **Gray mold-controlling agents containing *N*-indanylcarboxylic acid amides as active ingredients.** Oda, Masaji; Nakajima, Tetsuo (Mitsubishi Kasei Corp.) Jpn. Kokai Tokkyo Koho JP 01,313,402 [89,313,402] (Cl. A01N43/10), 18 Dec 1989, Appl. 88/145,032, 13 Jun 1988; 9 pp. Gray mold-controlling agents contain *N*-indanylcarboxylic acid amides I (R^1, R^2 = H, lower alkyl; R^3 = Q^1, Q^2; X = halo, Me, CF_3; Y = H, Me, halo) as active ingredients. *N*-(3-Methylthiophene-2-carbonyl)-2,2,4-trimethyl-1,2,3,4-tetrahydroquinoline in 85% H_2SO_4 was heated at 60° for 3 h to give 87% 3-methyl-*N*-(1,1,3-trimethylindan-4-yl)thiophene-2-carboxamide (II). A wettable powder comprising II 20, diatomaceous earth 75, and surfactants 5 wt. parts was dild. with H_2O to 200 ppm (as II) and applied to stems and leaves of cucumber in a pot to totally control *Botrytis cinerea* after 4 days.



1-01



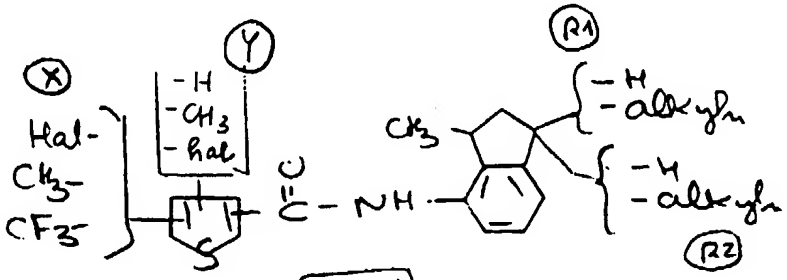
I

Referate aus CHEMICAL PATENTS INDEX von DERWENT				
VERSCHLUSSELT	KORRIGIERT	BEMERKUNGEN	BLATT-NR.	BLATTZAHL
Dulka	GAOLLA	CA.....:	1	2

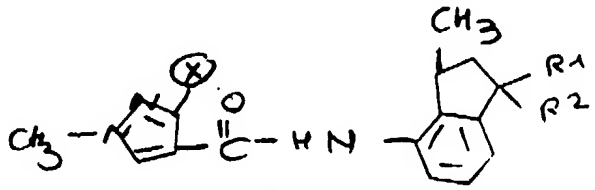
BEST AVAILABLE COPY

F

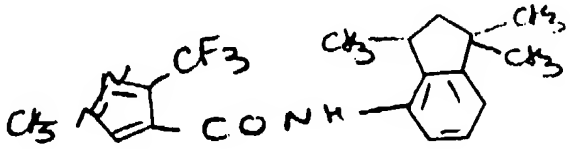
OD-034367/90



2-01



3-01

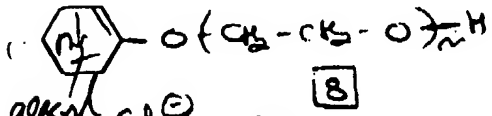


4-01

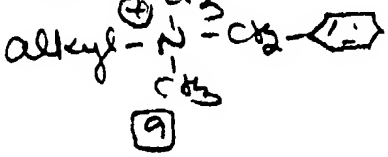
CH_3OH 5

$CH_3-\overset{O}{\overset{\|}{C}}-CH_3$ 6

CMC 7



8



9

IDC	Bemerkungen	Blatt-Nr.	Blattzahl
		2	2

BEST AVAILABLE COPY

CONTROLLER OF GRAY MOLD COMPRISING N-INDANYLCARBOXYLIC ACID AMIDE CATALYST AS ACTIVE INGREDIENT

Publication number: JP1313402

Publication date: 1989-12-18

Inventor: ODA MASAJI; NAKAJIMA TETSUO

Applicant: MITSUBISHI CHEM IND

Classification:

- international: ***C07D233/38; A01N43/10; A01N43/56; C07D231/14; C07D231/16; C07D333/38;*** *C07D333/38;* **C07D233/00; A01N43/02; A01N43/48; C07D231/00; C07D333/00;** C07D333/00; (IPC1-7): A01N43/10; A01N43/56; C07D231/14; C07D231/16; C07D233/38

- european:

Application number: JP19880145032 19880613

Priority number(s): JP19880145032 19880613

Report a data error here

Abstract of **JP1313402**

PURPOSE:To obtain the title controller showing excellently fungicidal activity against gray mold and high activity against fungi exhibiting resistance free from phytotoxicity comprising an N-indanylcarboxylic acid amide derivative as an active ingredient. CONSTITUTION:The title controller comprising an N-indanylcarboxylic acid amide derivative such as 3-methyl-N-(1,1,3-trimethylindan-4-yl)-thiophene-2- carboxamide shown by formula I [A is group shown by formula IV (X is halogen, CH3 or CF3; Y is H, CH3 or halogen) or group V; R1 and R2 are H or lower alkyl] as an active ingredient. The active ingredient is blended with a carrier and an auxiliary and preferably used in the form of emulsion, wettable powder, etc. The compound shown by formula I, for example, is obtained by reacting a carboxylic acid shown by formula II with an aminoindane derivative shown by formula III optionally in an inert solvent. The agent has low toxicity to men, animals and fishes.

Data supplied from the ***esp@cenet*** database - Worldwide